



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Christian RUQUE

Appln. No.: 09/628,442

Confirmation No.: Not Yet Known

Group Art Unit: 2841

Filed: July 28, 2000

Examiner: T. Dinh

For: A DEVICE FOR PROTECTING A DRAWER ELECTROMAGNETICALLY

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AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated September 20, 2001, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

- B
1. (Twice Amended) A device for electromagnetically protecting a drawer equipped with electronics cards, said drawer for being inserted into a drawer-receiving structure through an opening provided in a front face of said drawer-receiving structure, said device comprising six faces distributed around said cards, wherein one of said faces of said device is formed by a front face of said drawer, while the five other faces of said device are formed by two side faces, a top face, a bottom face, and a back face of said drawer-receiving structure, said faces being electrically conductive.

B² 5. (Amended) A device according to claim 4, wherein, in the vicinity of said back face, said drawer-receiving structure is provided with connectors suitable for cooperating with connectors secured to said cards, and wherein said back face is a grating provided with openings for passing cables for connecting to said connectors of said structure.

REMARKS

A Proposed Drawing Correction is concurrently submitted, the Correction adding reference characters --74-- and --76-- as requested by the Examiner. Support for these corrections to the drawing is found in Applicant's specification, at page 10, lines 13-25. No new matter has been added.

Regarding the Examiner's suggestion to change a reference character on page 7, line 29 of Applicant's specification, it is respectfully submitted that the specification is correct as it is, because connectors 17 of the drawer-receiving structure 11 cooperate with the connectors 7 of the drawer 1 by being unpluggable therefrom (see, e.g., Applicant's Figs. 1, 2).

Applicant respectfully requests the Examiner call Applicant's representative if he requires any clarification of the term "intermediate electrically-conductive plate" as used in the application.

Claims 1-10 are pending in the application. Claims 1 and 5 are herein amended in a non-limiting manner to more clearly define the claimed structure, the amendment of claim 1 to remove an unnecessary limitation, and the amendment of claim 5 being entirely *pro forma*. These claim amendments are not necessitated by any prior art, applied or otherwise, and do not create any estoppel. Reconsideration and allowance of all claims are respectfully requested in view of the following remarks.

- Claims 9 and 10 stand rejected under 35 U.S.C. § 112, first paragraph, as containing subject matter not described in the specification. Applicant respectfully traverses this rejection.

The Examiner states, “[t]he specification is silent regarding ‘drawer receiving recesses (claim 9, line 2) and an intermediate plate (claim 9, line 3).’” Applicant respectfully disagrees. Applicant’s specification describes the claimed structure (e.g., page 4, line 35 to page 5, line 3), and a non-limiting example of the claim 9 limitations cited by the Examiner are volumes V, V’, and intermediate plate 74 (e.g., Applicant’s specification, at page 10, lines 21-25; Fig. 5). Since the claims are a part of the specification, the subject matter of claims 9 and 10 was in the originally filed application, and the claimed subject matter is adequately described in the specification and drawing, the § 112, first paragraph rejection is without basis and should be withdrawn.

- Claim 5 stands rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Applicant respectfully submits that this rejection is obviated by the claim amendment herein.

- Claims 1-4, 6, and 9-10 stand rejected under 35 U.S.C. § 102(e) as being anticipated by *Anderson et al.* (U.S. Patent No. 6,209,842). Applicant respectfully traverses this rejection.

Anderson does not teach or suggest any of the claim limitations of independent claim 1 (emphasis added). Specifically, *Anderson* does not teach or suggest:

- a device for electromagnetically protecting a drawer;
- a drawer;
- a drawer equipped with electronics cards;
- a drawer-receiving structure;
- six faces distributed around the cards of the drawer;
- one of the faces of the device being formed by a front face of the drawer;

the five other faces of the device being formed by two side faces, a top face, a bottom face, and a back face of the drawer-receiving structure; or

the faces being electrically conductive.

Anderson discloses a chassis 100 of a system cabinet for mounting a plurality of hard disk drives, each hard disk drive mounted within an individual hard disk drive carrier 200 (e.g., col. 3: lines 25-26, 34-35; Figs. 1 and 2). Each of the carriers 200 is inserted into one of the respective bays 103 of the chassis 100, each carrier 200 having guide rail slots 201 on top and bottom sides for slidably guiding the carrier 200 into the bay 103 (e.g., col. 3: lines 37-42). Each carrier 200 also has two damping devices 203 that are adjacent each guide slot 201, the four total damping devices 203 of each carrier 200 engaging the chassis 100 when the carrier 200 is inserted into the bay 103 (e.g., 3: 45-48). By this structure, *Anderson* is directed to minimizing transmitted and self-induced vibration problems for a file server having plural disk drives (e.g., col. 1: lines 20-22; col. 2: lines 8-10).

By comparison, *Anderson* is silent regarding electromagnetically protecting anything, and is silent regarding electromagnetically protecting a drawer. The Examiner cites (Paper No. 8, at page 3) *Anderson*, at col. 3: line 35, but this passage only discloses that a carrier has high rigidity by being constructed of a rigid aluminum or zinc, and such does not teach or suggest a device for electromagnetically protecting a drawer, as claimed.

A “drawer” is generally known to be “a sliding, lidless, horizontal compartment, as in a piece of furniture, that may be drawn out in order to gain access to it.” (Webster’s Encyclopedic Unabridged Dictionary, Grammercy, New York, 1989). As relevant to the present invention, a “drawer” that is equipped with electronics cards would be considered, by one of ordinary skill in the art, to be quite different from the hard drive carrier 200 cited by the Examiner. *Anderson* only discloses a plurality of vertically-oriented carriers that slide into a chassis, and such does not in any way teach or suggest a drawer, as claimed. *Anderson* is also silent regarding

“electronic cards,” because the reference only discloses hard disk drives that have a head that is movably mounted to read and/or write desired tracks of a disk (e.g., col. 1: lines 13-16). It follows that a drawer equipped with electronics cards is also absent from the *Anderson* reference. In addition, since *Anderson* does not teach or suggest a drawer, it also does not teach or suggest a drawer-receiving structure, as claimed.

The Examiner takes the position (Paper No. 8, at pages 3-4) that Fig. 1 of the *Anderson* reference discloses six faces distributed around the cards of a drawer. The Examiner is mistaken. Fig. 1 of *Anderson* discloses a chassis 100 having a top wall 101, a bottom wall 102, and at least one side wall. This disclosure of *Anderson* does not teach or suggest a front face of a drawer, or a drawer at all. *Anderson* also does not teach or suggest a back face of a drawer-receiving structure, or a drawer-receiving structure at all.

The Examiner also takes the position that the *Anderson* reference discloses the claimed faces that are electrically conductive. Applicant respectfully submits that this is incorrect because *Anderson* only discloses that the system cabinet (which includes a chassis) therein may be made of steel (e.g., col. 3: lines 31-33), but this disclosure does not teach or suggest the claimed six faces that are conductive.

Since the applied reference does not teach or suggest all the claim limitations, Applicant respectfully requests the § 102 rejection be withdrawn. Claims 2-4, 6, and 9-10 are patentable at least by virtue of their dependency on independent claim 1.

- Claims 5 and 7-8 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over *Anderson* in view of *Porter* (U.S. Patent No. 5,808,866). Applicant respectfully traverses this rejection.

The secondary reference *Porter* does not cure the above-noted deficiencies of the primary reference because, *inter alia*, *Porter* does not teach or suggest a device for electromagnetically

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protecting a drawer, a drawer, a drawer equipped with electronics cards, a drawer-receiving structure, six faces distributed around the cards of the drawer, one of the faces of the device being formed by a front face of the drawer, the five other faces of the device being formed by two side faces, a top face, a bottom face, and a back face of the drawer-receiving structure, or the faces being electrically conductive.

Instead, *Porter* discloses a cardcage 11 of a composite material suspended within a lightweight transit case 12 (e.g., col. 8: lines 7-9). Such does not teach or suggest any of the claimed limitations noted above.

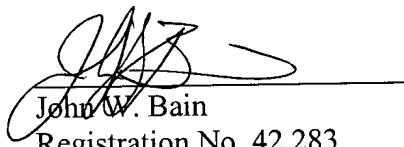
Since the applied references, alone or in combination, fail to teach or suggest all the claim limitations, the Examiner's statement of alleged motivation is inapposite. For these reasons, Applicant respectfully requests the § 103 rejection of claims 5 and 7-8 be withdrawn.

Request for Interview

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly **requested to call** the undersigned at the telephone number listed below.

Applicant hereby petitions for any extension of time which may be required to maintain the pendency of this case, and any required fee, except for the Issue Fee, for such extension is to be charged to Deposit Account No. 19-4880.

Respectfully submitted,


John W. Bain
Registration No. 42,283

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Washington, D.C. 20037-3213
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

Date: **December 27, 2001**